



U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

ATTY. DOCKET NO.

890050.478

APPLICATION NO.

10/824,081

APPLICANTS

Hiroshi Shingai et al.

FILING DATE

April 14, 2004

GROUP ART UNIT

1756

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AB	01-319147	12/25/89	JP (+ Abstract in English)		
	AC	03-073436	03/28/91	JP (+ Abstract in English)		
	AD	04-162217	06/05/92	JP (+ Abstract in English)		
	AE	06-155921	06/03/94	JP (+ Abstract in English)		
	AF	2001-056958	02/27/01	JP (+ Abstract in English)		
	AG	2001-331936	11/30/01	JP (+ Abstract in English)		
	AH	2001-180120	07/03/01	JP (+ Abstract in English)		
	AI	2001-243633	09/07/01	JP (+ Abstract in English)		
	AJ	2003-335065	11/25/03	JP (+ Abstract in English)		
	AK					
	AL					
	AM					
	AN					
	AO					
	AP					
	AQ					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).